

Amendments to the Specification

Additions are indicated by underlining (underlining).

Please replace the paragraph on page 3 lines 16-31 with the following amended paragraph:

The present invention will now be described with reference to the following drawings, in which

Fig. 1 shows the primary structure and disulfide bridges of the recombinant His-tagged rFel d 1(2+1) fusion molecule [SEQ ID NO: 35];

Fig. 2 shows the results of size exclusion chromatography of rFel d 1(2+1);

Fig. 3 shows the deconvoluted electrospray mass spectrum from analysis of rFel d 1(2+1);

Fig. 4 shows the electrospray mass spectrum from analysis of non-reduced rFel d 1(2+1) digested with trypsin;

Fig. 5 shows the time-dependent dissociation analysis of immobilised rFel d 1(2+1) by surface plasmon resonance;

Fig. 6 shows the result of a far-UV CD analysis of rFel d 1 and nFel d 1;

Fig. 7 shows the IgE responses to Fel d 1 in individuals sensitised to cats in direct ELISA;

Fig. 8 shows the dose-dependent inhibition of serum IgE from a pool of individuals sensitised to cats; and

Fig. 9 shows the biologic activity of rFel d 1(2+1) and nFel d 1 in two patients allergic to cats.

Please replace Table 1 spanning pages 8-9 with the following amended table:

Table 1

Primer no.	sequence
1(F)	5'- <u>gtacatatg</u> g aaatctgcc ggcgttaaa cgtgacgtt acctgtcct gaccggtacc ccggacaa acgttgaaca ggttg-3' [SEQ ID NO: 5]
2(R)	5'-ggcagagtt tgactgagc aacctgtca acgtattcgccgggtgagc aacctgtca acgtattc-3' [SEQ ID NO: 6]
3(F)	5'-tgctcagttac aaagctctgc cggtgttct ggaaaaacgct cgtatcctga aaaactgcgt tgacgctaaa atgacc-3' [SEQ ID NO: 7]
4(R)	5'- <u>cctctcgaaq</u> g cacagcgggg aggttagat ttgtccagc agggacagag cgccccctt gtcttcctcg gtcattttag cgtcaacgc-3' [SEQ ID NO: 8]
5(F)	5'- <u>gtacatatg</u> g taaaaatggc tgaaacctgc ccgatcttct acgacgtttt ctgcgtt gctaacggta acgaac-3' [SEQ ID NO: 9]
6(R)	5'-ggtagttcc ggtaggttcc cgtaacttt ggtcaggac aggtccagca gcagttcggtt accgttagca acagc-3' [SEQ ID NO: 10]
7(F)	5'-ctaccgaacc ggaacgtacc gctataaaaaa aaatccagga ctgctacgtt gaaaacggtc tgatccccg tggctggac-3' [SEQ ID NO: 11]
8(R)	5'-gcttcaccca tgcgtctt ggaggaggag atgggtca taaccagacc gtccagaaca cgggagatca g-3' [SEQ ID NO: 12]
9(F)	5'-caaagactgc atgggtgaag ctgttcagaa caccgtgaa gacctgaaac tgaacaccctt gggtcgctcg agagg-3' [SEQ ID NO: 13]
10(R)	5'- <u>cctctcgaaq</u> a cgacccagg tg-3' [SEQ ID NO: 14]
11(linker)	5'-cggttaacag cggggcagat ttcacgaccc aggtgttca gtttc-3' [SEQ ID NO: 15]

Please replace Table 2 spanning pages 12-13 with the following amended table:

Table 2

Tryptic fragment	Residues	Sequence	Theoretial mass [M+H]	Experimental mass [M+H]
T5	44-44	(K)K(I) [SEQ ID NO: 16]	147.11	not found
T11	100-100	(K)R(D) [SEQ ID NO: 17]	175.12	not found
T14	132-134	(R)ILK(N) [SEQ ID NO: 18]	373.28	not found
T1	0-2	(-)MVK(M) [SEQ ID NO: 19]	377.22	not found
T4	40-43	(R)TAMK(K) [SEQ ID NO: 20]	450.24	450.75
T9	87-92	(K)LNTLGR(E) [SEQ ID NO: 21]	673.40	673.40
T16	141-146	(K)MTEEDK(E) [SEQ ID NO: 22]	752.31	not found ^a
T3	32-39	(K)VNATEPER(T) [SEQ ID NO: 23]	915.45	915.44
T17	147-155	(K)ENALSLLDK(I) [SEQ ID NO: 24]	1002.55	not found ^a
T13	122-131	(K)ALPVVLENAR(I) [SEQ ID NO: 25]	1081.64	1081/60
T7	58-71	(R)VLDGLVMTTISSLK(D) [SEQ ID NO: 26]	1450.78	1450.72
T6	45-57	(K)IQDCYVENGLISR(V) [SEQ ID NO: 27]	<u>2156.01</u>	<u>2155.98</u>
T15	135-140	(K)NCVDAK(M) [SEQ ID NO: 28]		
T8	72-86	(K)DCMGGEAVQNTVEDLK(L) [SEQ ID NO: 29]	<u>2408.11</u>	<u>2408.07</u>
T10	93-99	(R)EICPAVK(R) [SEQ ID NO: 30]		
T12	101-121	(R)DVDLFLTGTTPDEYVEQVAQYK(A) [SEQ ID NO: 31]	2430.17	2430.09
T2	3-31	(K)MAETCPIFYDVFFAVANGNELLDDLSLTK(V) [SEQ ID NO: 32]	<u>5092.46</u>	<u>5092.28</u>
T18	156-170	(K)IYTSPLCLEHHHHHH(-) [SEQ ID NO: 33]		
T16+17	141-155	(K)MTEEDKENALSLLDK(I) [SEQ ID NO: 34]	1735.86	1735.80

^a Not found as a separate fragment. Detected as a part of the larger fragment T16 + T17 with [M+H] 1735.80, resulting from a miscleavage at Lys₁₄₆ which is surrounded by acidic residues, see Fig. 1.